



The Blurb



Volume 51 Number 2

Public Service Since 1949

February 2001



WU3I demonstrating a sale item



Auctioneers and accountant: KB3IV, W3CH, K2BN

Photos by N3XKE

Fourth Annual Auction a Big Success

The Blurb is published monthly by, and for, the members of **The PHIL-MONT MOBILE RADIO CLUB, INC.** whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other amateur radio clubs. Requests should be sent to the Editor. Subscriptions are available to non-members for \$10, addressed to the Treasurer. The club meets at 7:30 PM on the *second* non-holiday Wednesday of every month at **The Franklin Institute Science Museum**, Benjamin Franklin Parkway at 20th Street, Philadelphia. Enter from Winter Street or the parking garage on 21st street. **ALL VISITORS ARE WELCOME!**
Amateur Radio License Examinations are held on the *first* non-holiday Thursday of every month at The Franklin Institute Science Museum—registration finishes at 6 p.m. doors close at 6:30 PM-*SHARP!*

CLUB INFORMATION

Mailing address: P.O. Box 88, Abington, PA 19001
Internet Web site: <http://www.phil-mont.org>
E-mail: info@phil-mont.org
2-meter repeater: 147.03 MHz p/1 91.5
70-cm repeater: 444.80 MHz (186.2 Hz PL)
Simplex: 147.51 MHz
24-hour club information at W3AA: 215-448-1139

STATIONS

W3AA - The Franklin Institute Science Museum, Philadelphia, PA - Trustee WU3I; Manager: W3STW
The club sponsors this world-class demonstration station, and welcomes all licensed amateurs to operate.
W3AA packet BBS frequency: 144.99 MHz: w3aa@w3aa.sepa.pa.usa.noam
W3AA e-mail: w3aa@phil-mont.org
W3EM - Field Day and special events station - Trustee W3VVS
W3QV - 147.03 MHz repeater - Ridge & Port Royal Avenues, Philadelphia, PA - Trustee W3BBB

OFFICERS

PRESIDENT: W3AOK, William H. Popovic, 343 Lemonte Street, Phila., Pa 19128;
215-487-9472
billpopovic@msn.com — n3fvi@w3aa.sepa.pa.usa.noam
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TREASURER: K2BN, Mike Tannenbaum, 545 Cardinal Drive, Dresher, PA 19025; 215-542-5991
k2bn@agtannenbaum.com packet: K2BN@w3ch.sepa.pa.usa.noam

DIRECTORS

WU3I (02); W3RM (02); W3STW (01); W3BBB (01); N3MT (01); N3XKE (02); W3WF (A)

COMMITTEES

Archives: W3IIN; **Audit:** KE3OP; **Awards:** W3WF; **Blurb folding:** WB3KOJ & WB3KOH; **Budget:** K3KUD; **Directory:** WB3KOJ & W3IIM; **DX:** Open ; **Education:** W3CH; **Emerg. Coord.:** N3XKE; **Field Day:** WU3I; **Internet:** W3IIM; **Membership:** W3LEN & KE3ZY; **Net Control:** KB3IV; **Publicity:** W3RM Program: W3WF; **Public Service:** W3WF; **Refreshments:** W3AOK; **Repeater:** W3BBB; **Skywarn:** WX3PHI; **Special Events:** open; **Sunshine:** WU3I; **Youth:** KE3ZY; **TVI:** W3VVS; **VE Program:** ND3Q; **W3AA Trustee:** WU3I; **W3AA Station Manager:** W3STW; **Welcome:** K3CJ.

Blurb STAFF

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Deadline: To be assured of publication in the month that you want, all copy must be in the hands of the Editor by the 20th of the previous month.

Net Schedule

Thursday CW Practice Net at 20:00— 147.030MHz FM (NOT DURING JUNE, JULY AND AUGUST)
Sunday morning 2 Meter Net at 09:30 — 147.030 Mhz FM
Sunday morning “10-on-10” Net at 10:00 —28.393 Mhz SSB (+ or - for QRM)
Sunday morning 75 meter Net at 10:20 — 3.993 MHzSSB

Secretary, Fred Rice WA3KIO



January Director's Meeting Minutes

The January meeting was called to order by Bill, W3AOK at the home of Steve WU3I and Joanne N3FTC. Present were Ed, KB3IV; Mike, K2BN; Steve, WU3I; Ted, KB3CYE; Al, W3STW; Mike, N3MT; Dick, W3RM; Gene, N3XKE; Bill, W3AOK and Fred, WA3KIO.

Treasurer's Report K2BN: Budget for the past year was hit on the nose. Money was spent on the repeater and W3AA broke even. **Repeater:** Jim, W3BBB is working on the new controller. The changes should be transparent. The UHF transmitter is pending. The UHF side will not be part of the voting system.

W3AA: Everything is status quo. Waiting for the BBS to be finished. Ten-Tec has the Omni- no word yet. No word yet either on the Kenwood 570. The upcoming 2-meter contest will not be covered due to the Saturday evening time. Steve will make the necessary reservations at the park for Field day.

Nets KB3IV: Nets OK. All are covered.

VE Testing The ten dollar fee was verified as the new amount for testing.

Ed is looking for speakers for the coming year. A few possibilities were discussed. Gene N3XKE suggested a letter to be placed in stores like Radio Shack promoting Amateur Radio, CW training sessions and membership to Philmont.

Code practice will start on Thursday nights.

Next Director's meeting will be held at the FISM.

W3STW made a motion to close the meeting. It was seconded by Dick, W3RM. Thanks to Steve, WU3I and Joanne, N3FTC for hosting the meeting.

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January General Meeting Minutes

BILL, W3AOK called the meeting to order at 7:57. Ed KB3IV brought the jackets for members. With nothing else to report, the meeting was adjourned and turned over to Russ W3CH, our auctioneer for the annual Phil-mont Auction.

Amateur Television

Hello fellow Amateur Radio Operators,

This email message is to announce the existence of the new Philadelphia Area Repeater Associations (P.A.R.A.) Amateur Television Repeater. The original repeater was in service since 1985.

The repeater is located in the Chestnut Hill section of Philadelphia with a radius coverage of about 50 miles.

You can try to receive the repeater with your CABLE READY Television Receiver or VCR tuned to CABLE channel 57 and an outside antenna.

Call ATVers on 144.340 MHz simplex so that the repeater ID can be brought up for you to look for the repeater video. There is ATV activity most nights but just when you want to look for a signal no one would be on the air. The ATV repeater does ID every ten minutes with or without a signal into the repeater.

The output of the repeater is 421.250 MHz (Cable Channel 57) and 923.250 MHz. The repeater receives signals on 439.250 MHz (Cable Channel 60). There is also an input on 1255 MHz FM video modulated).

There is a live color television camera on the roof of the building that can be rotated to see center city Philadelphia and New

Jersey to the East, South to Chester and North to Trenton, NJ.

We can also link our ATV repeater to the Wilmington, DE ATV repeater using the touchtone control.

We plan to add a real time Weather Radar display in the near future. During the shuttle missions we show NASA SELECT so you can watch all the action in space.

Go ahead and give another mode a try, it won't cost you much in money to give the receiving a try.

73

Ron Cohen, K3ZKO Captain Video

Ron, K3ZKO 915 Rowland Avenue Cheltenham, PA 19012
(215)379-5338 ronk3zko@juno.com



185th Monthly Phil-Mont VE Test Session Statistics for January, 2001

SIX (6) candidates took seven (7) elements. We had two (2) new amateur with three (3) upgrades.

The VE team was chaired by Dusty Rhoads (ND3Q).

Members are: Jeff Kerber, N3VE; Bob Freer, W3YLT; Peter Butler, WB2B; Carol Hutkin, K2BL

Exam Dates for the year 2001:

Feb. 1; March 1.; April 5.

VE Examination Sites

Confirm all information, in advance, with the contact person. Licensed applicants must bring the original, and one photocopy of their license. All applicants, including children, must show two other types of ID. Bring the original, and a copy of any Certificate of Successful Completion needed to prove current status. The ARRL VEC's 2001 test fee is \$10.00.

THE FRANKLIN INSTITUTE

Monthly, 1st Thursday — Dusty Rhoads, ND3Q. 215-879-0505, day. 215-448-1139 24-hours. Doors open at 6PM and close sharply at 6:30 PM.

BELLMAWR, NEW JERSEY

Diane Nafis, 609-227-6281. Testing is the third Thursday of the month at 6:30 PM. They meet at the Bellmawr Municipal Complex, Browning Rd. and Lewis Ave., one block off Black Horse Pike, Route 168.

BRISTOL, PA

George LeNoir, 215-943-4886

Satellite info from W3STW

Fellow Phil-Monters. I read the AO-40 article published in the January 2001 copy of the Blurb and thought it was a good way to keep the Blurb readers up to date about that particular satellite. However, the source contributing the article did not say which Amateur Radio satellites are available and that is not a problem. N3XKE, Gene, a savvy satellite Phil-Monter thought it might not be a bad idea to write a few words, for the Blurb, about the status of the current Amateur Radio satellites in use. The problem here is that my articles appearing in the Blurb unless very dramatic like the AO-40 caper would be, I think, rather untimely. What do you readers think? I offer instead, for those of you who seek the current status of active Amateur Radio Satellites, to listen and check into the Tuesday evening AMSAT 75m East Coast Amateur Radio Satellite Net. Net control is W3STW, AL, the QRG (frequency) 3840 KHz +/- QRM 9 P.M.

LEVITTOWN, PA

David L. Heller, 2125-946-1040

LINWOOD, PA (Commercial and Amateur)

TELFORD, PA

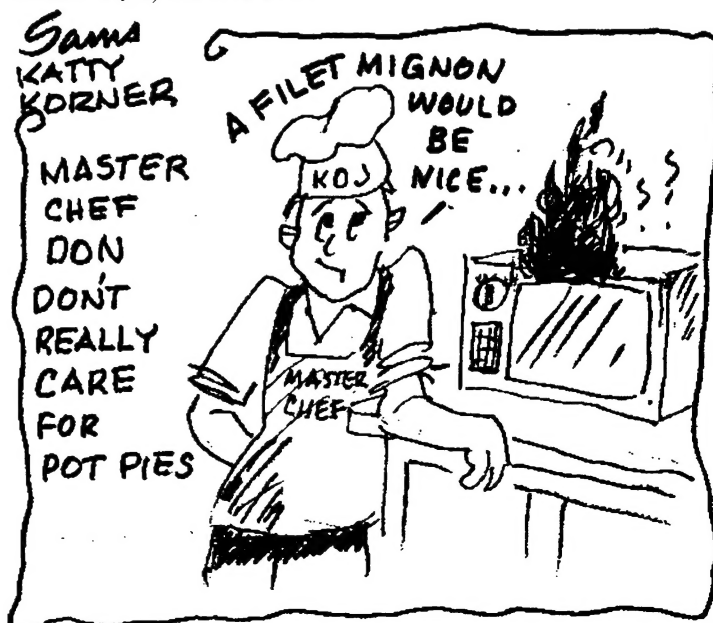
Joseph Burgess, 215-723-6697

WARMINSTER, PA

Tom Michaud, WA3TQJ, 215-343-3494

WILMINGTON, DE

Giselle Wells, 302-478-2757



ATLANTIC DIVISION HAMFEST

CALENDAR 2001

- Mar 31-1 Apr + Greater Baltimore
Hamboree, Timonium, MD (MD
State Convention)
- May 6 + Antietam Radio Assoc,
Hagerstown, MD
- May 6 + Warminster ARC, Wrightstown,
PA
- Jun 1-3 + Rochester Hamfest/Atlantic
Division Convention, RARA,
Rochester, NY
- Jun 9+ Columbia-Montour ARC,
Bloomsburg, PA (EPA Section
Convention)
- Jul 1+ Murgas ARC, Wilkes-Barre
(Dallas), PA
- Jul 15+Mid-Atlantic ARC, Kimberton,
PA
- Aug 12+ Lancaster ARC, Cheektowaga,
NY (WNY Section Convention)
- Sep 29+ ARA of the Southern Tier,

DX News

ROTUMA ISLAND, 3D2. Tony, 3D2AG/p, has been QRV on 14025 kHz around 0700 to 1000z.

RODRIGUEZ ISLAND, 3B9. Robert, 3B9FR, has been QRV on 18076 kHz just prior to 1800z.

BOUVET, 3Y. Chuck, N4BQW, is QRV as 3Y0C. Weather conditions have limited his operations, so he tries to work as many stations as he can in his spare time. QSL via WA4FFW.

KUWAIT, 9K. Zenek, SP5INQ, will be QRV from the QTHs of 9K2GS and 9K2/SQ5DAK from January 24 to February 6. QSL via operator instructions.

SINGAPORE, 9V. 9V1JA has been QRV on 30 meters CW between 1230 and 1330z.

CHINA, BY. David, BA4RF, is usually QRV on 80 meters SSB around 1200z.

BAHAMAS, C6. Lee, N7NU, will operate mostly CW on 80 to 10 meters as either N7NU/C6A or C6AJX from Abaco

see DX continued on page 8

The PREZ SEZ



A good reason to keep that tube rig.

New Shell Disrupts Electronics UPI LONDON (Dec. 28, 2000) — British scientists have developed a non-explosive artillery shell that can put out such a powerful burst of radio-frequency energy it will destroy or disable electrical and electronic systems for miles around without killing anyone.

The new so-called E-Bomb was developed privately by Matra BAe Dynamics and fits into US research efforts into matching and countering similar Russian systems, whose advanced development startled western intelligence officials when it was revealed two years ago.

Particularly worrying to British intelligence officials were reports that the IRA has discussed using a version of the Russian bomb that can be carried in a briefcase. The target, according to the London Daily Telegraph on Wednesday, was the City of London. A meltdown of unprotected computer electronics in the heart of one of the world's primary financial centers is one of Britain's worst nightmares.

"It's being looked at for peacekeeping operations, perhaps for hostage situations where you want to knock out someone's mobile phones, computers, electronic security devices and so on," said a BAe Systems spokesman Thursday. The company's work on the system won the scientists a gold award for innovation from the BAe Systems chairman.

The E-Bomb works by being fired from a long-range 155mm artillery gun or MLRS rocket launcher and then breaking open its outer casing over the target. The shell or rocket then unfolds its radio transmitter aerials and the transmitter sends a high powered radio pulse of billions of watts that lasts just a few nanoseconds.

The result of an E-blast could be, therefore, that the enemy military has the only functioning communication systems while the civilian infrastructure, including power plants, manufacturing, hospitals and transportation, stops working.

NATO's military has been hardening its electronic systems for many years, primarily as a defense against nuclear warfare. It has long been known that the electro-magnetic pulse (EMP) of a nuclear blast severely damages electronic equipment. Up to now, however, EMP has only been considered a peripheral concern of the far more devastating consequences of nuclear war, not as a weapon on its own.

ARRL Board Approves Dues Increase, Alters Morse Position

Meeting in Irving, Texas, January 19 and 20, the ARRL Board of Directors voted to increase membership dues from \$34 to \$39 annually for full members younger than 65, and from \$28 to \$34 for full members 65 and older. The dues hike goes into effect July 1, 2001. The last ARRL dues increase was in July 1997.

The dues increase resulted from a need to fund initiatives to expand the League's advocacy activities on behalf of Amateur Radio—including the defense of amateur spectrum—and to enhance ARRL Headquarters' abilities to serve members during a period of projected deficits. The Board okayed a \$1 greater increase for seniors in an effort to narrow the dues gap, as more and more ARRL members fall into the senior category.

see Dues continued on page 6

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Trustee: Steve Hoch, WU3I**The International Voice of The Franklin Institute Science Museum**

Now there are Two.

At the auction I recieved a letter from Ten-Tec with the bill for the Omni VI, \$146.00. Mike, K2BN will send a check and the radio should be back in service by the time you read this report. That leaves two things still out of service. The Packet BBS is still with W3CH for programming and the Kenwood TS-570S is still out for repair. I finally recieved a reply from Byron in California who is repairing the Kenwood and it seems he was very ill over the holidays and was not in work for a period. He is well now and will resume work on the Kenwood when he has the time. We all wish him well.

Rollie, W3PWG has brought in his Alinco DX-70TH in place of the Kenwood. It has 6M capabilities at 100 watts.

It has come to my attention that some of the radio operators have been having trouble with the STANDARD SETTINGS of the radios and equipment in W3AA. Operators are reminded if you change the STANDARD SETTINGS of the equipment for your particular method of operation that you return the settings to normal before you go home. We are all working together here and want to make it as simple as possible for the other person.

I am looking for a guest columnist for the W3AA report. It is quite simple (even I can do it). The column is due the weekend after the General meeting and has no specific length. The topic is the club station, W3AA, and it's operation and needs. You can add personal comments and observations or a point you think needs raising. No, I am not looking for a replacment, but a break in the routine is welcome. Interested parties please contact WU3I.

FOR SALE

Dentron Super Tuner 1KW 10-160 meters \$100.00

Kenwood Station Monitor SM220 \$150.00

Remote controlled Differential Tuner \$100.00

Contact Steve WU3I 215-535-8061 or wu3i@arrl.net

Dues continued from page 5

At the same time, the Board approved the hiring of development and sales and marketing professionals on the Headquarters staff as part of an overall plan to augment revenues.

"The ARRL carries out a lot of activities that no longer can be fully funded by dues or publication sales revenues," ARRL Executive Vice President David Sumner, K1ZZ, explained. While voluntary contributions towards Amateur Radio advocacy are helping greatly, "we need to professionalize these activities if we are going to sustain them," he said.

The Board also revised its position on whether Morse code proficiency should continue to be an international requirement to license operation below 30 MHz. The Board approved a resolution that "recognizes and accepts" that the Morse requirement likely will be dropped from Article S25 of the international Radio Regulations at the 2003 World Radiocommunication Conference. But the Board held the line on retaining a domestic Morse requirement, saying that each country should be allowed to determine for itself whether it

see Dues continued on page 7

HOLLINGSWORTH SAYS "RADIO RAGE" HAZARDOUS TO HAM RADIO

Entering his third year spearheading the FCC's Amateur Radio enforcement effort, Special Counsel for Amateur Radio Enforcement Riley Hollingsworth says "radio rage" could become a bigger danger to the future of Amateur Radio than rulebreaking.

"It's the infighting and arguments and juvenile spats," Hollingsworth said this week. "That's going to come back to haunt us if we don't just grow up. It will do the service in, if the ham community doesn't put a stop to it."

Hollingsworth said that he's encouraged that the FCC's enforcement program has the support of "99.9%" of the amateur community and that the vast majority of hams follow the rules. But, he said that radio rage in the form of such things as on-air squabbles or frequency fights can degrade the bands just as quickly as outright rulebreaking. "The FCC can't do anything about that," he said. "It's up to the amateur community."

Hollingsworth said that while much radio rage technically is not illegal, it reflects poorly on Amateur Radio and can balloon into an enforcement issue. More important, he said, rude or intemperate on-air behavior might provide just the sort of ammunition that an entity seeking additional spectrum will use against Amateur Radio.

Hollingsworth predicted that the departure January 19 of FCC Chairman William Kennard and the changing of the guard at the White House the next day will not alter the course of the current amateur enforcement effort. He said he sees nothing but positive changes ahead.

"I'm willing to bet my SX-115 that we won't miss a beat," he said, referring to one of his latest acquisitions of vintage ham gear, "as long as the amateur community lets it be known it still wants enforcement."

Hollingsworth said it was pressure from the ARRL and individual amateurs that prompted the resumption of amateur enforcement in 1998 during Kennard's tenure, "and it's the type of program that needs that continual pressure to keep it going," he added. Overall complaints are down, Hollingsworth said, "but no one can be complacent."

Dues continued from page 6

wants to have a Morse code requirement.

The Board's Morse Code resolution declared that deletion of the Article S25 international requirement at WRC-03 "should not automatically or immediately mean a similar removal of the Morse code from Part 97 of the FCC rules." Morse code, the Board affirmed, deserves continued support as an important operating mode as well as in terms of spectrum and "should be retained as a testing element in the US." The resolution also called on ARRL Headquarters staff to "develop a program designed to promote the use of Morse."

The resolution supersedes all previous Board policy statements regarding Morse code and Article S25.

The Board has adjusted the management structure at ARRL Head-

quarters. Publications Manager and QST Editor Mark Wilson, K1RO, will serve as the ARRL's Chief Operating Officer. In that position, Wilson will oversee sales and marketing, publications, field volunteer and membership services, the ARRL Lab, and other day-to-day Headquarters activities.

The Board also established a committee to solicit membership input to update the ARRL's position on refarming the HF Novice bands "in light of the 1999 FCC license restructuring Report and Order." The five-member panel will be named by President Haynie. It will report to the board in one year. (ARRL)

AO-40 REPORT SUGGESTS DAMAGE TO ANTENNA SYSTEMS

The latest information from the AO-40 recovery effort suggests that the satellite might have suffered antenna system damage when it went silent last December 13. The satellite stopped transmitting while ground controllers were testing the 400-newton propulsion system aboard AO-40.

Since the satellite's computer was reset and telemetry resumed December 25, the AO-40 ground team has been analyzing telemetry sent via the 2.4 GHz beacon—the only transmitter now operating.

AMSAT-DL Vice President and AO-40 team member Peter Guelzow, DB2OS, said this week that efforts to restart the 2-meter transmitter were unsuccessful. The satellite was sending telemetry via the 2-meter transmitter when it went quit transmitting last month. Guelzow said telemetry seemed to indicate that the VHF transmitter was working during the test, but no signal was heard. Additional tests are scheduled.

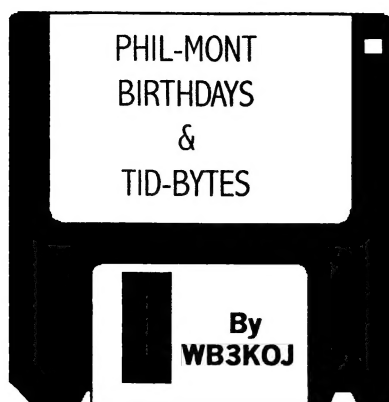
Guelzow reiterated this week that while the 2-meter, 70 cm and 1.2 GHz receivers are working on the high-gain antennas, none of them will receive signals using the omnidirectional antennas. "Either the omni antennas are damaged or the cabling or the antenna relays," Guelzow concluded.

The satellite's 70-cm transmitter—problematic since launch—will be tested on both the high-gain and omnidirectional antennas once the spacecraft's spin rate has been reduced and AO-40's heat-dissipation mechanism—the so-called "heat pipes"—start working again.

Guelzow said that AO-40's attitude control system is fully functional—something that would be critical to keeping the satellite in orbit on a long-term basis. Guelzow explained that because the sun angle is now about 60 degrees, the sun sensor's electronics are temporarily disabled. "Without sun and attitude information, no magnetorquing can be performed, thus no further attitude or spin change was done," he said. AO-40 team leader Karl Meinzer, DJ4ZC, is developing a software fix that does not rely on data from the sun sensor.

Guelzow expressed the hope that once the sun angle and antenna-pointing capabilities have been established, the ground crews will have a better chance to check out the status of the 2 meter and 70 cm transmitters through "better-controlled and suitable experi-

see AO-40 continued on page 8



FEBRUARY BIRTHDAYS

- 01 Charlotte Feierman (XYL K3EUI)
- 03 Barry Feierman - K3EUI
- 04 Eunice Bohlander (XYL W3VVS)
- 05 Mike Concordia - WB3KAC
- 08 Jerry Dubzak - N3RPW
Rob Roomberg - KB3BYT
- 10 Sharon Masarsky - N3GLU
- 17 Sam Smith - K3GBA
- 18 Bill Mannino - WA3NSP
Mim Roeshman (XYL W3LKI)
- 20 Richard Cullen - N3XY
- 22 Janine Johnson - KB3AXQ
- 23 Gene DiNardi - N3XKE
- 24 Bill Biermann - NZ3Z
Carmen DeCicco - KE3QB
Barbara Ann Hagerty (XYL AA3BB)
Larry Pollack - N3VLC
- 28 Roger Cox - K3TYB

NEW CALL Maggie, KB3DXS is now K3XS

DUES & DIRECTORY
UPDATE: DUES ARE DUE...FOR
THOSE WHO HAVE NOT PAID, THIS
IS YOUR NEXT TO LAST BLURB &
YOUR LAST CHANCE TO UPDATE
YOUR DIRECTORY INFORMATION.
K2BN AWAITS YOU MONEY!
MEMBERSHIP STATS Will return in the
April Blurb.

DX continued from page 5

Island, IOTA NA-080, until January 26.
QSL to home call.

COMOROS, D6. D68BT and D68WL
have been QRV of late on 20, 15 and 10
meters SSB. QSL both calls via EA3BT.
ANTARCTICA. Pavel, EM1KY, has
been QRV on 14270 kHz from 0130 to
0300z. QSL via UT7UA.

**SAN ANDRES AND PROVIDENCIA,
HK0.** Able, HK0VGJ, has been showing
up most days on 30 meters CW around
0330z. Check between 10109 and 10112
kHz.

DJIBOUTI, J2. David, F5THR, is active
as J28EX until January 2002. Activity is
on 160 to 6 meters. QSL via FB1BON.

WAKE ISLAND, KH9. Terry, K7ASU,
will be QRV from here beginning around
January 24. He should be active as
K7ASU/KH9 until February 26, using
mostly PSK31 and some CW. QSL to
home call.

US VIRGIN ISLANDS, KP2. Look for
W8UVZ and K8GG to be QRV from St.
Croix from January 24 to 30 as KP2/
K8GG. Emphasis will be on the low and
newer bands. QSL via K8GG.

CRETE, SV9. Michael, SV9CVY, has
been QRV on 18122 kHz around 1800z.

BELIZE, V3. Klaus, DJ4SO, is QRV as
V31SN until February 12. Activity is on
160 to 6 meters, including the newer
bands, using CW, RTTY and PSK31, with
some SSB. QSL to home call.

**TURKS AND CAICOS ISLANDS,
VP5.** WB9Z, K9NR, K9QT and AK9F
will sign homecalls/VP5 from January 23
to 27. Activity includes an entry in the
CQ WW 160 Meter Contest as VP5F.
QSL to home calls.

INDIA, VU. Norbert, VU2RBQ, has
been QRV on 7007 kHz around 0100z. He
was also on 10114 kHz around 1230z.
QSL to DJ9RB.

(ARRL)



PUBLIC SERVICE EVENTS

Charlie Weigand, W3WF
Phone 610-323-1050
Packet: aa3p@w3ch.#sepa.pa.usa.noam
E-mail: aa3ep@aol.com

Russ Stafford, W3CH
Phone: (610)631-3401 ext. 902
Packet: w3ch@w3ch.#sepa.pa.usa.noam

Public Service Forms Available

Public Service Forms are available on
Line. Thanks to **Charlie, W3WF** and
Peter, KB3DFQ you may download any
of the following sign-up forms for the
year 2000 public service events.

MS Walks

Chester County Bike Tour

MS 150 City to Shore 2000

the url is:

<http://metro-comm.freethinkers.net>

(thanks to W3CH)

AO-40 continued from page 7

ments." He indicated that AO-40's arcjet
thrusters and the reaction wheels also will
undergo testing as soon as possible.

Meinzer recently expressed confidence that,
despite its problems, AO-40 will be func-
tional in the future—although its mission
likely will be different from the one planned
prior to launch.

AMSAT-UK's Richard Limebear, G3RWL,
has suggested that AO-40 could at least be
used for "some kind of 400 baud PSK digi-
tal communication" via one of the onboard
computers. Limebear said that if the IF
matrix is functional, then, SSB or CW via
a linear transponder would be possible. "If
AO-40 reaches such a state, we will get as
much or more than AO-10 and AO-13 of-
fered, only on more state-of-the-art frequen-
cies," he concluded.

S	M	T	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
1	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

Calendar for February 2001

1	Thur	VE exams - doors close at 6:30 PM Code practice 8PM-W3STW
2	Fri	Groundhog Day
3	Sat	
4	Sun	(2M net -KB3IV) (75M net- W3PWG) (10M net-W3AA)
5	Mon	
6	Tues	
7	Wed	
8	Thur	Code practice 8PM-W3RM Full Moon
9	Fri	
10	Sat	RCA Victor awarded the first gold record to Glenn Miller, 1942
11	Sun	(2M net-N3FTY) (75M net-NG3P) (10M net - W3AA)
12	Mon	Abraham Lincoln's Birthday
13	Tues	
14	Wed	General & Board meeting at the Franklin Institute, refreshments at 7, meeting starts 7:30
15	Thur	Code Practice 8PM-WA3NSP
16	Fri	
17	Sat	
18	Sun	(2M net -WA3NSP) (75M net - WA3KIO) (10M net - W3AA)
19	Mon	Washington's Birthday Observed
20	Tues	
21	Wed	
22	Thur	Code practice 8PM- W3AOK
23	Fri	New Moon
24	Sat	
25	Sun	(2M net - N3OWM) (75M net- KB3IV) (10M net- W3AA)
26	Mon	
27	Tues	
28	Wed	

Activities for February 2001

Net Control stations should read the following announcements before asking if there are any more announcements for the Net

February 1 - VE testing session at the Franklin Institute. The 2001 ARRL VE test fee is \$10.00.
February 14-Board meeting and General meeting at the Franklin Institute

The March Board meeting will be held at the home of K2BN

"DON'T TAILGATE... WAIT"—for the courtesy !

FIRST CLASS MAIL



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